FIREPROOF, FIRE-RETARDANT SILICONE RUBBER COMPOSITION

Publication number: JP9012888 (A)
Publication date: 1997-01-14
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Classification:
- international: ***C09K3/10; C08K3/22; C08K3/34; C08K3/36; C08L83/04;*** **C09K3/10; C08K3/00; C08L83/00;** (IPC1-7): C08L83/04; C08K3/22; C08K3/34; C08K3/36; C09K3/10
- European:
Application number: JP19950165495 19950630
Priority number(s): JP19950165495 19950630

Also published as:
JP3485387 (B2)

Abstract of **JP 9012888 (A)**

PURPOSE: To prepare a fireproof, fire-retardant joint compd. which has satisfactory flame retardancy and strength and is free from a toxic gas by incorporating a silica powder, mica, a crystallite, aluminum hydroxide, magnesium hydroxide, and a platinum catalyst into an organopolysiloxane. CONSTITUTION: 10 to 100 pts.wt. (hereinafter referred to as 'pts.') silica powder (B), 50 to 100 pts. mica (C), 10 to 50 pts. crystallite (D), 1 to 80 pts. aluminum hydroxide (E), 6 to 0 pts. magnesium hydroxide (F), platinum or a platinum compd. in an amt. of 5 to 500ppm in terms of platinum based on the component (A), the component (E) to component (F) ratio being (1:9) to (4:6) with the total amt. of the components (E) and (F) being 10 to 80 pts., are incorporated into 100 pts. organopolysiloxane having an average unit of RaSiO(4-a)/2 (W R represents a hydrocarbon; (a) is an average number of 1.9 to 2.1) to prepare a fireproof, fire-retardant silicone rubber compsn. The components (E) and (F) release water at a high temp. to lower the combustion temp., and, together with the components (C) and (D), combine with the component (A) to form a ceramic-like material to hold a supporting structure.